Microsoft

.net developer training

Create XML Web Services and Applications with Visual Studio .NET

Train the Trainers

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Welcome

- Goal of the .Net Developer Training Tour
  - Train you on the content
  - Get you involved in the content
  - Help you be successful
- We have in the audience
  - 3rd Party Trainers
  - RDs
  - CTECs
  - MS guys who support E2A/JDP

Guidance for next 3 days

- Let Billy and Ken deliver the training as it would be delivered
  - We will capture your questions during these sessions
  - Get your feedback
- 30 Minutes or less for questions and issues
- We can make small content changes but not big ones
- Keep the content moving along
- Provide us the right feedback at the right time in the right format
- This is delivered in both Large Venues (Road Shows), CTECs small sites

Things you need to do

- You will get the Training CD this week
- Get a OCH (One Click Hosting account) with Brinkster setup – Free
- Have a serious read of the Beta 2 Readme
- Check out the FAQs on the Trainer CD
- Read the MS Press Books Q&A with Anders etc
- Have a look at the TechEd Slides on .NET
- Get your laptop setup tonight with BETA2 and the demos – Drive Image it!
- Practice the Demos
- Logon to the http://projects.32x.com/netseminar/

Opening Gambit for Microsoft .NET

- Get off to a good start
  - Why should people care about .NET?
  - It is important to set the stage properly
- Have a good opening Gambit for .NET
  - Billy Hollis has a good one with AirCraft
    - “.NET is a clean slate design” – Billy Hollis
- For standards and XML Web services
  - Railroad tracks in the early days didn’t work together (see notes on this page)
  - Understand ECMA and what we have submitted
- Careful positioning with HailStorm
  - Proper talking points (i.e. FAQs)

Burning questions people have

- Design Time and Runtime platforms supported
- When will the product ship?
  - All questions about BETA 2 – Use FAQ on MSDN
- Beta 1 to Beta 2 Changes
- Can you install .NET and my current stuff on the same server?
- Languages C#, VB.NET, C++
- Support on other platforms
- JAVA
- What is the difference between Runtime and ASP.NET browser based applications
- MIT and .NET Compact Framework
- Remoting and DCOM and Web Services
- Windows Forms and Web Forms
- Garbage Collection
  - Dispose, calling gc
- IL and obfuscation

Demos #1

1. Make sure your font is the right size for the Code Window and Dialog
   - Ask the person in the back
2. Make sure they can hear you
3. Code real estate (Maximize the size of what is important – use Full Screen if need be
4. Use autohide
5. DOS window should be big font as well
6. Shortcuts, Favorites, use the productivity features

Demos #2

8. We are using ‘TODO for places to find in code
9. No guessing in demos, have the code, know it, demo it
10. Adhoc demos look like adhoc demos, stick to a script
11. Look up at your audience, don’t get too focused on your own screen
12. Remember those features that fascinated you when you first learned them and express that enthusiasm every time you show that feature
13. Turn Option Strict On
14. Minimize going back and forth from Slides to demos (especially if the AV equipment doesn’t switch good)
15. Turn off suspend, screen saver, screen blank,

Demos #3

16. Hide the task bar
17. Minimize clutter on desktop, menus, etc
18. Setup your machine for the event, not your personal machine
19. Maximize each window you are demoing, one window, one thing at a time
20. Keep the defaults for the windows
    - That is what the new guys will be

Venue Information

- Internet Connections (in some locations)
- Logistics
  - Arrive early for setup, test everything out
  - Start and end times, breaks, meals
  - http://msdn.microsoft.com/events/devtraining/
- Who to call with Venue issues (Roadshows only)
  - Someone will be on site
  - Tim McAfee
    - Email: timmcaf@microsoft.com
    - Cell: 206-779-3707
    - Work: 425-706-6012
  - Content issues: Ken Spencer

Things you shouldn't do

- Don't apologize for Beta 2 or anything
- If you demo doesn't work, its your fault
- Don't talk too much on non Microsoft languages
  - These people are programming in VB, C++ or C#
- Ask the audience too many questions
  - The 4 that I recommend
    - How many people have installed and used Beta1, Beta2?
    - How many people know or program in Visual Basic?
    - How many people are Web Developers?

Being a good Presenter #1

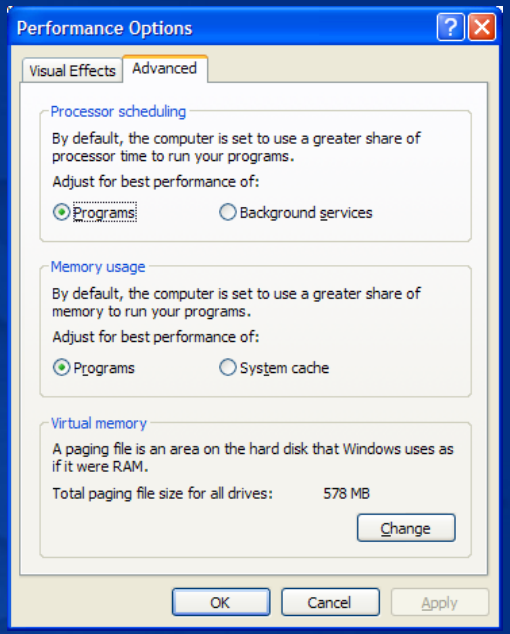
- Know where you are at, what time it is, where you should be at, where you are going
- Stay focused, tell a story, have a flow
- If you don't know the answer, don't answer the question
  - .NET is big, no one knows it all!
- Don't comment on things you shouldn't comment on
- Don't talk to your computer too much
- Don't say I believe, either you know or you don't
- Don't move your mouse around for no reason
- Use the documentation in the product to learn more on a particular topic, it has some

Being a Good Presenter #2

- Don’t talk too much about yourself, they are here for the content
- Minimize your personal opinion on everything
- Don’t be negative about anything, MS, content, .NET, Beta 2, etc.
- Stay focused, be brief
- Repeat all questions, be very brief, just answer the question
- Collect all questions
- Don’t turn your back to the

Demo Performance
How can you speed up your machine?

- Buy more memory
  - 256 Mb or more is recommended
- Page file should be 1.5 times RAM for both numbers initial and max (Win XP ex. >)
- You should check your disk for errors and defrag it
- Make sure processor and memory are both set for programs (Win XP ex. >)
- If possible eliminate any extra weight from the the shell and/or the machine
- Don't show start page on startup (unless you're showing it off) – tools.options setting
- Don't show dynamic help on startup (click on the 'x' to close the window, that config will persist for subsequent startups)
- You could consider not showing the property browser (this helps project load time especially in the case where you're not showing the designer surface)
- Don't run anything extra on your machine that you don't need, e.g. IIS, SQL, services that may be running, etc.
- Close Dynamic Help Window it slows down


Performance Options
Visual Effects
Advanced
Processor scheduling
By default, the computer is set to use a greater share of processor time to run your programs.
Adjust for best performance of:
Programs
Background services
Memory usage
By default, the computer is set to use a greater share of memory to run your programs.
Adjust for best performance of:
Programs
System cache
Virtual memory
A paging file is an area on the hard disk that Windows uses as if it were RAM.
Total paging file size for all drives: 578 MB
Change
OK
Cancel
Apply

C# vs. Visual Basic .NET

- Spend 10 bucks and read this
- http://www.desaware.com/Ebook2L2.htm

Being a Good Developer on .NET
Lessons Learned from Developers

- You could spend 3 weeks to write code for something but chances are a class is already ready to use for you
  - i.e. Encryption
  - We need a sample of 2 apps that do the exact same thing, one doing a better job with much less code

Next Steps

- Install Visual Studio .NET Beta 2
  - Go through the samples
- Use One Click Hosting
  - Host an XML Web service or Web Form
- Create a proof-of-concept project at work
  - Be the .NET expert
- Sign up for additional .NET training
  - 3rd Party training, CTEC lead Training

Microsoft

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